

We claim:

1. A method of inhibiting an undesired immune associated reaction comprising transducing a cell that can be involved in the undesired immune associated reaction with a gene encoding an antibody, wherein said antibody when expressed will bind in the cell to a target molecules and/or ligand involved in the undesired immune associated reaction, expressing the antibody and letting said antibody bind to said target receptor and/or ligand.

2. The method of claim 1, wherein the target receptor is selected from the group consisting of MHC class I molecules, MHC class II molecules, CD28 molecules, CD40 molecules, CD20 molecules and CD43 molecules.

3. The method of claim 1, wherein the target receptor is selected from the group consisting of components in the pathways involving MHC class I molecules, MHC class II molecules, CD28 molecules, CD40 molecules, CD1 molecules, CD20 molecules, T cell receptors and CD43 molecules.

4. The method of claim 1, wherein the antibody comprises a single chain antibody.

5. The method of claim 4, wherein the single chain antibody binds to an MHC-1 molecule.

6. The use of an antibody that binds to a component of the major histocompatibility complex (MHC) to transduce a cell, wherein said antibody binds to said component within the cell to inhibit an undesired immune associated reaction.

7. The antibody of claim 6, wherein said antibody binds to one of the group of MHC components selected from X chains of the MHC, β 2 microglobulin, calnexin, transporter associated with antigen processing (TAP) and tapasin.

8. A cell transduced by a gene encoding an antibody that binds to a target molecule, wherein said target molecule is a component of the major histocompatibility complex (MHC), having said antibody expressed, wherein said expressed antibody binds to the target molecule in the cell and inhibits said cell from being part of an undesired immune associated reaction.

9. The cell of claim 8, wherein said antibody binds to one of the group of MHC components selected from X chains of the MHC, β 2 microglobulin, calnexin, transporter associated with antigen processing (TAP) and tapasin.
10. The cell of claim 9, wherein said antibody binds to TAP.
11. The cell of claim 9, wherein the antibody is a single chain antibody.
12. A kit containing a vector containing a gene that encodes an antibody that binds to a component of the major histocompatibility complex (MHC), wherein said antibody has been adapted to remain in the cell, and instructions for its use in inhibiting undesired immune associated reactions.